## Index of Claims

Application No. Applicants | Applicants |

Examiner | Art Unit

| <b>7</b> | Rejected |
|----------|----------|
| II       | Allowed  |

| [- | (Through numeral) Cancelled |
|----|-----------------------------|
| +  | Restricted                  |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|              |                      | L               | Ĺ              |             |  |  | J         |  | L  | ــــــــــــــــــــــــــــــــــــــ |  |  |
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|              |                      |                 |                |             |  |  |           |  |  |  |  |  |
| CI           | L                    | Date .          |                |             |  |  |           |  |  |  |  |  |
|              | 1                    | Ī               | Γ              | Т           | Т  | П  | Τ         | Т  | 1  | I                                      |  |  |
| Final        | Original             | 1               | 1              | 1           | 1  | 1  |           | 1  | ı  | 1                                      |  |  |
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| ١            | 1.0                  | L               | ı              | 1           | 1  | ł  | 1         | 1 .  | 1  | ١.                                     |  |  |
|              | 1                    | <del>D.</del> - | ╁              | ╁           | ╁╌   | 1-   | +-        | +-   | ┿  | 1-                                     |  |  |
| -            | 2                    | <del>[</del>    | <del> </del>   | 1-          | 1-   | ╅╾   | 1         | ╂  | 1  | +                                      |  |  |
| <del> </del> | 3                    | ┢               | ╂              | ┨           | ╂╌   | ╁  | ╂┯        | ╁╌   | ╁~   | +                                      |  |  |
| <del> </del> |                      | <del>  -</del>  | <del>  -</del> | ╂           | ╁╌   | ╂—   | ╁         | +-   | ╂  | ╂                                      |  |  |
|              |                      | ١               | 1_             | 1-          | 1-   | ╀  | ╁╌        | -  | ╁∸   | <del> </del>                           |  |  |
| <u> </u>     | 8 8                  | ١               | ļ.,            | <u> </u>    | 1  | 1-   | <b>!</b>  | <b> </b>   | 1-   | <b>∤</b> —                             |  |  |
|              | 19                   | <u> _</u>       | <b>!</b>       | <b>!</b> _  | <b>!</b> _                                       | <u> </u>   | 1_        | 1_   | <b> </b> _                                       | <b> </b>                               |  |  |
| <u> </u>     | 1.                   | <u> </u>        | ļ              | ┖           | <u> </u>   | _  | <u> </u>  | <u> </u>   | ↓_   | <del>  _</del>                         |  |  |
|              | 8                    | _               | Ŀ              | L           |  | _  | L         | _  | <u> </u>   | <u> </u>                               |  |  |
|              | 9. •                 | L               | <u> </u>       | L_          | 1_   | <u> </u>   | <u>L.</u> |  | L  | <u>!</u>                               |  |  |
|              | 10                   | L               |                | L           | <u> </u>   | <u> </u>   | <u> </u>  | 1  | L  |  |  |  |
|              | TC                   |                 |                |             |  | $\Box$   | $\Box$    | Ĺ  | L  | L                                      |  |  |
|              | 12                   |                 |                |             |  | Π  |           |  | $\Gamma$   |  |  |  |
|              | 13"                  |                 |                | Γ           |  | ·  |           |  |  |  |  |  |
|              | 14                   | Π               |                | Г           | 1  | 1  |           |  |  | $\Gamma$                               |  |  |
|              | 15                   | Ι               |                | ı           | ١.   | T  | Ι.        | Τ  | - 7  | Π                                      |  |  |
| <u> </u>     | 16                   |                 |                | ऻ           | 1  | 1  |           |  |  | Г                                      |  |  |
|              | 14<br>15<br>16<br>17 | 1               |                | <del></del> | 1  | 1  | Ι         | 1  |  |  |  |  |
|              | 18                   | ┪               | -              | ┢╌          | ⇈  | ┰  |           | 1  | <del>                                     </del> | f                                      |  |  |
|              | 18<br>19             |                 | 1              | ┢           | 1  |  | 1-        | <b>—</b>   | 1-   | 1-                                     |  |  |
|              | 20                   | Ī               | Ť              | Ì           | i-   | 1  | i         | İ  | Γ  | 1                                      |  |  |
|              | 20<br>21             | _               | $\Box$         | _           | 1  | ऻ  | 1         | T  | 1  |  |  |  |
|              | 221                  | 5               | П              |             | _  | <del>                                     </del> | _         | 1  | Τ  |  |  |  |
|              | · 23                 |                 | Н              | $\vdash$    | 1  | <del>                                     </del> | 1         | 1  | Г  |  |  |  |
|              | 24                   |                 | П              |             | I  | 1  | T -       | _  | Г  |  |  |  |
|              | 25                   |                 |                | _           | Ι.   |  | Γ         | 1  | Γ  |  |  |  |
|              | 26'                  |                 | П              |             | _  | Г  | Г         | $\vdash$   | 一  |  |  |  |
| .4           | 21                   | <b>—</b>        | П              | _           |  |  | 1         | Ι.   |  |  |  |  |
|              | 28'                  | _               | П              | _           | <u> </u>   | <del>                                     </del> | -         | Г  | Г  |  |  |  |
|              | 29                   |                 |                | _           | $\vdash$   | 1  | 1         | 1  |  | П                                      |  |  |
| -            | 30                   |                 |                |             |  |  | _         | _  | _  |  |  |  |
| _            | 31                   |                 | М              | -           |  | 广  |           |  |  | П                                      |  |  |
|              | 32                   |                 | П              | -           | Н  | _  | 7         | _  |  | П                                      |  |  |
|              | 33                   | _               | Н              | _           | -  |  |           | <del>                                     </del> |  |  |  |  |
| ·            | 34                   | -               | H              | -           | <u> </u>   | $\vdash$   |           | 1  | -  |  |  |  |
| $\vdash$     | 35                   | _               | Н              | •           | <del>                                     </del> | 1  |           | 1  | 1  |  |  |  |
|              | 36                   | -               | H              | -           |  | Ι  | $\vdash$  | _  | _  | 一                                      |  |  |
| -            | 37                   | -               | Н              | _           | <del>                                     </del> |  |           | <u> </u>   | <del>                                     </del> | $\vdash \vdash$                        |  |  |
|              | 38                   | -               | H              | _           | <del> </del>                                     | 1  | $\vdash$  | -  | ┢  |  |  |  |
|              | 39                   | -               | ┝╼┨            |             | $\vdash$   |  | $\vdash$  | $\vdash$   | $\vdash$   | H                                      |  |  |
|              |                      |                 | ⊣              |             |  | -  | $\vdash$  |  |  | $\vdash$                               |  |  |
| <del></del>  | 41                   |                 | ⊢┤             |             | $\vdash$   | $\vdash$   | -         | _  | -  | Н                                      |  |  |
|              | 41                   |                 | ⊣              | <u> </u>    | Ι  | -  | $\vdash$  | -  |  | $\vdash \vdash$                        |  |  |
|              | 43                   | $\dashv$        | ⊢              |             | <del> </del>                                     | _  | -         | -  | -  | $\dashv$                               |  |  |
|              | 43                   |                 | $\vdash$       | _           |  | H  | -         |  |  | $\vdash \vdash$                        |  |  |
|              | 44                   |                 |                | _           | H  | H  |           | -  | -  | $\dashv$                               |  |  |
|              | 45                   | -               | -              | _           | Ь  |  | Н         | Ь  | <del> </del>                                     | $\vdash$                               |  |  |
|              | 46                   |                 |                |             |  | _  | $\vdash$  |  | <b> </b>   | $\vdash$                               |  |  |
|              | 47                   |                 | $\Box$         |             |  | Щ  |           |  | <del>)</del>                                     | $\vdash$                               |  |  |
|              | 48                   |                 | Ш              | _           |  | _  | Ш         |  | <u> </u>   | Ы                                      |  |  |
|              | 49                   |                 | $\Box$         |             |  | Щ  |           |  |  | Ш                                      |  |  |
| • 1          | 50                   | - 1             |                | - 1         | ٠  | 1  |           |  |  | 1                                      |  |  |

| Cla  | Date     |        |    |               |                |                 |          |          |          |                 |
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| Final  | Original | S.     |    |               |                |                 |          |          |          |                 |
| -  | 0        |        |    |               | L              |                 | L        | L        | L        |                 |
|  | 51       |        |    |               | I              |                 |          | L        | 匚        |                 |
|  | 52<br>58 | _      | _  | <del> </del>  | 1-             | <b> </b>        | L        | ļ        | <u> </u> | <b> </b> _      |
|  | 58       | _      | ├- | ╀             | ╁              | ┼               | ╀        | ├-       | ╂        | -               |
| <u> </u>   | 54<br>55 | -      | ├  | ╁╌            | ╁╌             | ╀               | -        | ├        | ╀        | ╁               |
| -  | 56       | -      | ╢  | 1-            | ╁╌             | ╁               | -        | ┢        | ┼-       | 1               |
| H-   | 57       |        | ┢  | ╁             | †              | 1               |          | -        | 1-       |                 |
|  | 58       |        | Γ  |               |                |                 | Ŀ        |          |          |                 |
|  | 59       |        |    |               |                |                 |          |          |          |                 |
|  | 60       | _      | L  |               | ↓_             | <u> </u>        | _        | _        | _        | _               |
|  | 61       |        | _  | ╄             | <b> </b> _     | <u> -</u>       |          | <b>!</b> | <u> </u> | <u> </u>        |
| -  | 62       |        | -  | 1-            | ┢              | +-              | ├        |          | -        | <del> </del>    |
| -  | 63<br>64 |        | ┢  | -             | ╁╴             | +-              | -        | -        | 1        | -               |
|  | 65       |        | -  | 1-            | 1              | 1               |          | -        | _        |                 |
|  | 66       |        |    | 1             |                |                 |          |          | Ŀ        |                 |
|  | 67       |        |    |               |                |                 |          |          |          |                 |
|  | 68<br>69 | _      |    | L             |                |                 | _        |          |          |                 |
|  | 69       |        | _  | <del>!</del>  | !              |                 | _        | <u> </u> | <b> </b> | -               |
|  | 70<br>71 | ÷      | H  | ├-            | <del> </del> - |                 | -        |          | -        | $\vdash$        |
| -  | 72       |        | -  | ┼             | <del> </del>   | H               | _        | H        | -        | -               |
|  | 73       |        | Н  | $\vdash$      | ╁              | -               | -        | -        | -        | Н               |
|  | 73<br>74 |        |    | 广             |                |                 | Ϊ        |          |          |                 |
|  | 75       |        |    |               |                |                 |          |          |          |                 |
|  | 76       | _      | _  | <u> </u>      | <u> </u>       |                 |          | -        |          | 4               |
|  | 77       |        |    | <u> </u>      | <del>  -</del> |                 |          |          | · .      | Н               |
| <del>  </del>                                    | 78<br>79 |        | -  |               | ļ.             | H               | -        | H        | -        | $\vdash$        |
| -  | 80       |        | _  | <u> </u>      | 1-             | H               | H        |          | -        | Н               |
| -  | 81       | -      |    | -             | ┢              | П               |          |          |          | П               |
|  | 82       |        |    |               |                |                 |          |          |          |                 |
|  | 83       |        |    |               |                |                 |          |          |          |                 |
|  | 84       |        | _  | Ŀ.            |                |                 |          |          | _        |                 |
|  | 85       | _      |    | ļ.,           |                | $\vdash \vdash$ |          |          | -        |                 |
|  | 86       | -      |    | <u> </u>      | -              |                 |          | -        |          |                 |
|  | 87<br>88 | -1     | -  | -             | H              | $\vdash$        | Н        |          | Ç,       | $\vdash$        |
|  | 89       |        |    |               | $\vdash$       |                 | _        | $\neg$   | Ė        |                 |
|  | 90       | 7      | -  |               |                |                 |          |          |          |                 |
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|  | 92       | $\Box$ |    |               |                |                 | _        |          | ·        | $\Box$          |
| $\Box$   | 93       |        |    | Ŀ             |                | $\square$       | _        |          |          |                 |
|  | 94       | _      | _  | <u> </u>      | $\vdash$       |                 | $\dashv$ |          |          | $\mid - \mid$   |
| <del> </del>                                     | 95       | -      |    |               | $\vdash$       | Н               |          | -        | $\vdash$ |                 |
| <del>  </del>                                    | 96<br>97 |        | -  | -             | -              | $\vdash$        |          | -        |          | $\vdash \vdash$ |
| $\vdash$   | 98       | ᅱ      | -  | -             | -              | -               |          | -        |          |                 |
|  | 99       | 7      | -  | $\overline{}$ | Н              |                 | -        | Н        | $\Box$   | $\neg$          |
| <del>                                     </del> | 100      | -      | -  |               |                | <b></b>         |          |          |          |                 |

| CI                | aim        | Date     |          |          |          |                   |          |           |             |          |  |  |
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| Final             | Original   |          |          |          |          |                   |          |           |             |          |  |  |
|                   | 101<br>102 |          |          | 二        |          |                   |          |           |             |          |  |  |
|                   | 102<br>103 |          | ╀        | ├        | -        | -                 | -        | -         | -           | -        |  |  |
| -                 | 104        | -        | 1        | ┢        | ╁        | 1                 | Т        | r         |             |          |  |  |
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|                   | 106        | -        | <u> </u> | _        | ļ.,      | -                 | -        | -         | <u> </u> -  | <u> </u> |  |  |
| -                 | 107<br>108 | H        | ┝        | ├        | -        | -                 | -        | -         | -           | Н        |  |  |
|                   | 109        |          |          |          |          |                   |          |           |             |          |  |  |
|                   | 110        |          |          |          |          | L                 |          | _         |             |          |  |  |
| <u> </u>          | 111        |          |          | -        | -        | -                 |          |           | <b> -</b> - | H        |  |  |
|                   | 113        |          |          | -        | -        | -                 |          |           |             |          |  |  |
|                   | 114        |          |          |          |          |                   |          |           |             |          |  |  |
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|                   | 116        |          | -        | ļ-       | -        | _                 |          |           |             | $\dashv$ |  |  |
|                   | 118        | <u>,</u> |          |          |          |                   |          |           |             |          |  |  |
|                   | 119        |          |          |          |          | _                 |          |           |             |          |  |  |
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| $\vdash$ $\dashv$ | 121<br>122 | _        | -        | -        | ┝╌       |                   | -        | Н         |             |          |  |  |
|                   | 123        | ·        |          |          |          |                   |          |           |             |          |  |  |
| $\vdash$          | 124<br>125 | _        |          |          | Н        | _                 | -        | $\exists$ |             | -        |  |  |
|                   | 126        | -        | -        | -        |          | -                 | -        | М         | $\dashv$    |          |  |  |
|                   | 127        | ·        |          |          |          |                   |          |           |             |          |  |  |
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|                   | 131        | _        | _        |          |          |                   | 1        |           |             |          |  |  |
| 1                 | 132        |          |          | _        |          |                   |          | Щ         |             | -1       |  |  |
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|                   | 135        | ·        |          | -7       | H        | -                 | -        |           |             |          |  |  |
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|                   | 137        |          | _        | <u></u>  | Ш        | _                 | -        | <u> </u>  | _           |          |  |  |
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|                   | 141        |          |          |          |          |                   | L        | <u> </u>  | <u> </u>    |          |  |  |
|                   | 142        |          | _        | <u> </u> |          | _                 |          | ┝         |             | -        |  |  |
|                   | 143<br>144 | H        | Ė        | -        |          | ┝                 |          |           |             |          |  |  |
|                   | 145        | -        |          |          |          |                   |          |           |             |          |  |  |
|                   | 146        |          | ·        |          |          |                   | _        | <u> </u>  |             |          |  |  |
|                   | 147        | _        | _        | -        |          | ┝                 |          | -         | -           | -        |  |  |
|                   | 148        | -        | ⊢        | -        | -        | H                 | -        | -         | -           |          |  |  |
| · -               | 150        |          | -        |          | Ι-       | <u> </u>          |          |           |             |          |  |  |